## EAST Search History

| Ref # | Hits   | Search Query  | DBs                          | Default<br>Operator | Plurals | Time Stamp          |
|-------|--------|---|------------------------------|---------------------|---------|---------------------|
| L4    | 42     | "5,020,694" and pump  | USPAT;<br>USOCR              | AND                 | ON      | 2008/05/23<br>17:46 |
| L5    | 248    | "4,687,663"   | USPAT;<br>USOCR              | AND                 | ON      | 2008/05/23<br>17:47 |
| S1    | 177710 | bicarbonate   | US-PGPUB;<br>USPAT;<br>USOCR | AND                 | ON      | 2008/05/15<br>17:09 |
| S2    | 158063 | bicarbonate and<br>(dual or two or<br>multi)  | US-PGPUB;<br>USPAT;<br>USOCR | AND                 | ON      | 2008/05/15<br>17:09 |
| S3    | 133748 | bicarbonate and<br>(dual or two or<br>multi) and<br>(chamber or<br>component or<br>phase)                                       | US-PGPUB;<br>USPAT;<br>USOCR | AND                 | ON      | 2008/05/15<br>17:10 |
| S4    | 8557   | bicarbonate and<br>(dual or two or<br>multi) and<br>(chamber or<br>component or<br>phase) and<br>bicarbonate.clm.               | US-PGPUB;<br>USPAT;<br>USOCR | AND                 | ON      | 2008/05/15<br>17:11 |
| S5    | 1527   | bicarbonate and<br>(dual or two or<br>multi) and<br>(chamber or<br>component or<br>phase) and<br>bicarbonate.clm.<br>and skin   | US-PGPUB;<br>USPAT;<br>USOCR | AND                 | ON      | 2008/05/15          |
| S6    | 2537   | bicarbonate and<br>(dual or two or<br>multi) and<br>(chamber or<br>component or<br>phase) and<br>bicarbonate.clm.<br>and silica | US-PGPUB;<br>USPAT;<br>USOCR | AND                 | ON      | 2008/05/15<br>17:23 |

| S7  | 1598 | bicarbonate and<br>(dual or two or<br>multi) and<br>(chamber or<br>component or<br>phase) and<br>bicarbonate.clm.<br>and silica                      | USPAT;<br>USOCR              | AND | ON | 2008/05/15<br>17:25 |
|-----|------|--|------------------------------|-----|----|---------------------|
| S8  | 1    | 10/730709  | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2008/05/19<br>11:04 |
| S9  | 16   | "6177092"  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>11:23 |
| S10 | 3    | "6177092" and<br>skin  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>11:39 |
| S11 | 277  | bicarbonate and<br>(dual or two or<br>multi) and<br>(chamber or<br>component or<br>phase) and<br>bicarbonate.clm.<br>and (day or silica)<br>and skin | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>11:43 |
| S12 | 51   | "3,866,800"  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>13:58 |
| S13 | 0    | "3,866,800" and organophilic   | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>14:01 |
| S14 | 288  | organophilic and skin  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>14:01 |
| S15 | 28   | organophilic and<br>skin and<br>bicarbonate  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>14:33 |
| S16 | 1    | betone\$ and skin<br>and bicarbonate   | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>14:35 |
| S17 | 191  | bentone\$ and skin<br>and bicarbonate  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>14:36 |
| S18 | 338  | bentone\$ and bicarbonate  | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>15:04 |
| S19 | 36   | bentone\$ and<br>bicarbonate and<br>bicarbonate.clm.   | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>15:05 |
| S20 | 16   | "modified clay\$"<br>and bicarbonate<br>and bicarbonate.<br>clm.   | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>15:06 |

| S21 | 73   | "modified clay\$"<br>and bicarbonate<br>and foam\$   | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:09 |
|-----|------|--|-----------------|-----|----|---------------------|
| S22 | 177  | bentone\$ and<br>bicarbonate and<br>foam\$ and acid  | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:11 |
| S23 | 396  | (modified same clay\$) and bicarbonate and foam\$ and acid                                     | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:19 |
| S24 | 94   | (modified same<br>clay\$) and<br>bicarbonate and<br>effervesce\$ and<br>acid                   | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:41 |
| S25 | 5    | (modified same<br>("colloidal silica"))<br>and bicarbonate<br>and effervesce\$<br>and acid     | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:44 |
| S26 | 0    | (organophil\$ same<br>("colloidal silica"))<br>and bicarbonate<br>and effervesce\$<br>and acid | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:45 |
| S27 | 153  | (("colloidal<br>silica")) and<br>bicarbonate and<br>effervesce\$ and<br>acid                   | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:45 |
| S28 | 5    | (modified same<br>("colloidal silica"))<br>and bicarbonate<br>and effervesce\$<br>and acid     | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:46 |
| S29 | 199  | (modified same<br>("colloidal silica"))<br>and bicarbonate<br>and acid                         | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:46 |
| S30 | 2023 | (modified same<br>silica) and<br>bicarbonate and<br>acid                                       | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:49 |
| S31 | 598  | (modified same<br>silica) and<br>bicarbonate and<br>acid and skin                              | USPAT;<br>USOCR | AND | ON | 2008/05/19<br>15:49 |

| S32 | 5  | (organophil\$ same<br>silica) and<br>bicarbonate and<br>acid and skin | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>15:50 |
|-----|----|---|------------------------------|-----|----|---------------------|
| S33 | 13 | "6,161,729"   | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>17:19 |
| S34 | 11 | "5,316,054"   | USPAT;<br>USOCR              | AND | ON | 2008/05/19<br>17:27 |
| S35 | 18 | "6,177,092"   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2008/05/22<br>21:47 |

5/23/2008 7:21:19 PM C:\ Documents and Settings\Iroberts\ My Documents\ EAST\ Workspaces \10730709\_051508.wsp